

ABSTRACT OF THE DISCLOSURE

A motor system can be provided for a tank for mixing and chilling ice cream. The motor system includes a variable speed motor having a speed control. The speed control can be utilized to operate the motor in a forward or reversed speed or across a spectrum of more than two forward  
5 speeds. The motor can drive an auger. The auger can be operated in reverse to add semi-solid or solid inclusions to ice cream mix. The inclusions can be added through an aperture at the output of the tank. Appropriate time for discharge can be determined by time, temperature, or amperage.